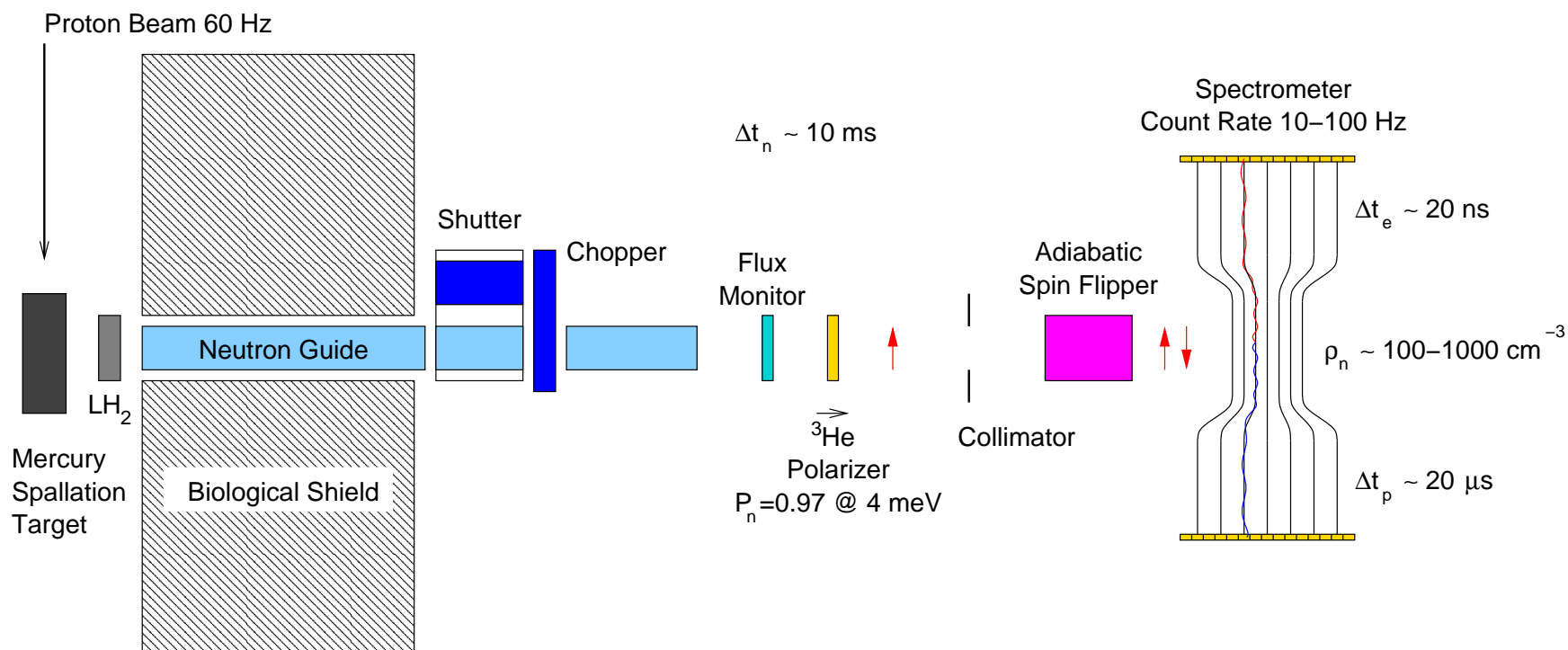
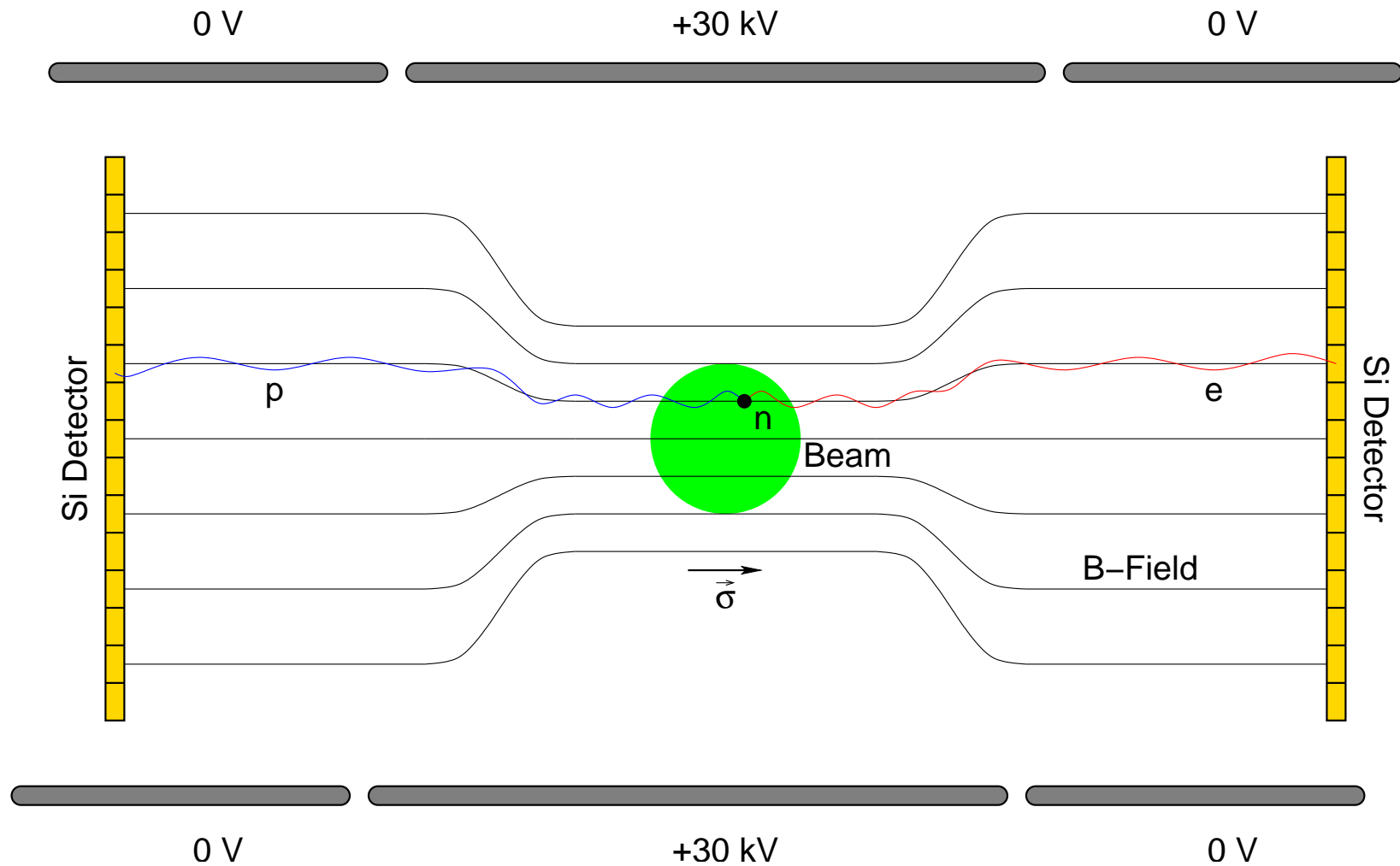


Neutron β -Decay with Cold Neutrons at SNS



Neutron β -Decay with Polarized Cold Neutrons



Simulations Required

- Neutron transport
- Background production by beam
- Neutron spin transport
- Decay events
- Charged particle transport
- Particle interactions with detector